

15-Feb-12

2450

NORTHERN REGION - R-1

FOREST = 10 - Flathead *

DISTRICT 04 - Spotted Bear *

V12.0

**TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT**

Select Contract Type

Tin Mule

(SALE NAME)

TIM # 12401

TYPE 6 - Contract Form 2400-6

UOM TON

Prepared by (Signature)

(Date)

Prepared by (Signature)

(Date)

Reviewed by (Signature)

(Date)

Recommended by (Signature)

(Date)

All attached documents and specifications for this timber sale have been completed in accordance with regulations at 36 CFR, Part 223, Subpart B, and the applicable Forest Service Manual and Handbook requirements and standards related to timber sales. Furthermore, the environmental documentation and NEPA decision have been reviewed; no significant new information or changed circumstances relating to the environmental impacts of this proposed action exist that require a correction, supplement, or revision to the documentation or decision; and implementation (advertisement) should continue.

Certification Reports for Gates 3 and 4 from TIM are attached to this timber sale report.

Timber Sale Final Package Approved By:

(Date)

TIMBER SALE INFORMATION

TIM, Gate 3, Create Timber Sale (Prep101)

Sale Area Description:

Primary County Name (FIPS Code):

029 - Flathead *

Sale Area Legal Description (short T & R):

T26N, R16W, PMM

Sale Area Legal Description (long):

Portions of Sections 7, 18, 19 T25N, R15W, Portions of Sections 1, 12, T25N, R16W, Portions of Sections 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 36 T26N, R16W, Flathead County, State of Montana, PMM

The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.

Compartment (s):

54

Environmental Documentation:

Project Association: List NEPA Project(s) that approved the timber sale.

| <u>NEPA Document Name</u> | <u>Percentage of Sale Volume (CCF)</u> |
|-----------------------------------|--|
| Soldier Addition II Dec 14, 2011 | 60 |
| Spotted Bear River August 5, 2011 | 40 |
| | |
| | |

The above NEPA Document(s) shall be included in the Prospectus, General Narrative, TIM Gate 4 - Prospectus (ADVR115). Include the following statement in the Prospectus: The environmental document(s) that approved this sale:_____

Briefly describe additions or changes made to project design during timber sale preparation.

See Design Criteria Crosswalk.

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

| <u>Purpose (TIM -PREP101)</u> | <u>Activity</u> | <u>% of Sale Volume - CCF (TIM - PREP101)</u> |
|---------------------------------|--------------------------|---|
| TC - Timber Commodity Purpose * | 10 - Forest and Health * | 100 |
| * | * | |
| * | * | |

FLATHEAD SALE PURPOSE CODING INSTRUCTIONS

| <u>Management Areas</u> | <u>Sale Purpose Code</u> | <u>Type of sale</u> |
|--|--------------------------|---|
| All suitable MA's (MA 5,7,7A,9,11C,13,13C,15,15A,15B,15C,15D,15E,16,16A,16B,16C,17) | TC/01 | All sawtimber, non-sawtimber and fuelwood sales on all contract forms including permits. |
| Non suitable MA's | FS/____ | All sawtimber sales, select the most appropriate activity based on documented sale purpose. |

Percentage: The percentage distribution will be 100% EXCEPT when an individual sale includes a mix of suitable and nonsuitable MA's. In this circumstance, the percentage split between TC and FS coding will be based on the sawtimber volume in the MA's. DO NOT distribute the percentage for nonchargeable product volume that may be included on sawtimber sales in suitable MA's. Code these as 100% TC/01.

| | | |
|--|------------|--|
| Convertible product permits and non timber commercial sale contracts or permits. | FS/70/100% | Commercial sale of post, poles, Christmas trees, mushrooms, etc. |
| Firewood or Christmas Permits | PP/80/100% | Intent is personal use. |

SALVAGE SALE FUND INFORMATION

TIM, Gate 4, Salvage Sale Fund Plan (ADVR112)

Reference to FSH 2409.18 - 52.45a - for assistance with SSF collections

<http://fsweb.wo.fs.fed.us/directives/fsh/2409.18/>

SSF Silviculture Treatment Type (Pick one)

Salvage Component with Sanitation, Stand Improvement, or Regeneration *
(Use for all other sales - stand(s) that include a salvage component)

SSF Volume (CCF):

7488

51%

% of total volume

FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS (Salvage Fund) %

0%

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

CRUISE INFORMATION

CRUISE:

#

1102

CHECK CRUISE:

Date of Cruise

6/16/2011

Date of Check:

Cruisers:

D. Nichols

J. Vanderschaaf

J. Hansen

B. Watters

Cruisers:

Method:

PNT

Results:

SE%:

17.03

Method of determining ROW volume:

N/A

Basis for Percent Defect:

SEEN DEFECT PLUS ADDITIONAL CULL AND BREAKAGE.

TOTAL CF VOLUME BY UNIT --- NCS REPORT

| Unit # | Acres | Sawtimber | CCF | Non-Saw | CCF |
|-----------------------------------|-------|-----------|-----|---------|-----|
| ROW units need to be entered last | | | | | |
| 1 | 23 | 30,870 | 309 | 23907 | 239 |
| 2 | 15 | 20,132 | 201 | 15592 | 156 |
| 2a | 24 | 32,212 | 322 | 24947 | 249 |
| 2b | 11 | 17,460 | 175 | 14275 | 143 |
| 2c | 7 | 9,395 | 94 | 7276 | 73 |
| 4 | 5 | 7,936 | 79 | 6489 | 65 |
| 5 | 5 | 7,936 | 79 | 6489 | 65 |
| 5a | 7 | 11,111 | 111 | 9084 | 91 |
| 6 | 5 | 7,936 | 79 | 6489 | 65 |
| 7 | 15 | 23,809 | 238 | 19466 | 195 |
| 8 | 18 | 24,159 | 242 | 18710 | 187 |
| 9 | 16 | 25,396 | 254 | 20763 | 208 |
| 10 | 21 | 33,332 | 333 | 27252 | 273 |
| 11 | 5 | 6,711 | 67 | 5197 | 52 |
| 13 | 3 | 4,026 | 40 | 3118 | 31 |
| 13a | 9 | 12,079 | 121 | 9355 | 94 |
| 13b | 8 | 10,737 | 107 | 8316 | 83 |
| 14 | 4 | 5,369 | 54 | 4158 | 42 |
| 14a | 10 | 13,422 | 134 | 10394 | 104 |
| 14b | 11 | 14,764 | 148 | 11434 | 114 |
| 15 | 23 | 36,507 | 365 | 29847 | 298 |
| 16 | 33 | 38,591 | 386 | 22693 | 227 |
| 18 | 4 | 6,349 | 63 | 5191 | 52 |
| 19 | 12 | 19,047 | 190 | 15573 | 156 |
| 20 | 28 | 44,443 | 444 | 36336 | 363 |
| 21 | 18 | 28,571 | 286 | 23359 | 234 |
| 22 | 37 | 43,269 | 433 | 25443 | 254 |
| 25 | 9 | 14,285 | 143 | 11679 | 117 |
| 26 | 15 | 23,809 | 238 | 19466 | 195 |
| 27 | 17 | 26,983 | 270 | 22061 | 221 |

NET
MBF/CCF Ratio from
NCS Report CS1
Sawtimber (Product 01)
0.4853
Non-Saw (Product 08)
0.5282

| | | | | | |
|------------------------------|--------|-----------|-------------|-----------|-------------|
| | 853768 | Sawtimber | 610751 | Non-Saw | |
| TOTAL SALE UNIT VOLUME (CCF) | | 6005 | 8538 | 4646 | 6111 |
| | | (Sheet 1) | (Sheet 1&2) | (Sheet 1) | (Sheet 1&2) |

TOTAL SALE CF VOLUME BY SPECIES --- NCS REPORT (R101)

| Species | Saw | Rounded | %Defect | Av. DBH | Logs/Unit |
|---------|--------|---------|---------|---------|-----------|
| AF | 12057 | 121 | 6 | 8.3 | 29.5 |
| C | | 0 | | | |
| DF | 39551 | 396 | 10 | 10.5 | 22.7 |
| GF | | 0 | | | |
| H | | 0 | | | |
| L | 39416 | 394 | 8 | 8.1 | 29.3 |
| LP | 748802 | 7488 | 9 | 8.9 | 22.4 |
| PP | | 0 | | | |
| S | 13942 | 139 | 7 | 8.6 | 20.9 |
| WP | | 0 | | | |

NCS REPORT (UC5)

| Non-Saw | Rounded |
|---------|---------|
| 13633 | 136 |
| | 0 |
| 17114 | 171 |
| | 0 |
| | 0 |
| | 0 |
| 40913 | 409 |
| 530264 | 5307 |
| | 0 |
| 8824 | 88 |
| | 0 |

| | | | | | | | |
|--------|--------------|------|-----|--------|--------------|------|-----|
| 853768 | TOTAL VOLUME | 8538 | CCF | 610748 | TOTAL VOLUME | 6111 | CCF |
|--------|--------------|------|-----|--------|--------------|------|-----|

ROUNDED VOLUME IS THE DIFERENCE BETWEEN UNIT VOLUME AND SPECIES VOLUME (AFTER ROUNDING TO CCF) ADDED TO THE SPECIES WITH THE LARGEST VOLUME

TOTAL CF VOLUME BY UNIT --- UC5 REPORT

[illegible]

CUTTING UNIT DESCRIPTION
(TIM GATE 3 - PREP 104)

VOLUME - DIRECT ENTRY
(TIM GATE 3 - PREP 103)

| (HM STATE PREP 107) | | | | | | | | | (HM STATE PREP 108) | | | | |
|-----------------------------------|-------|-------------------|----------------------|-----------|----------------|----------------|-----------------|----|---------------------|---------|-----------------|------|---|
| Unit # | P.U.# | Cruise Unit Acres | Appraisal Unit Acres | ROW Acres | Logging Method | Harvest Method | Land Suit Class | MA | Unit Volume CCF | | Yield Component | | |
| | | | | | | | | | Saw+Add | Non-Saw | CL | NL | |
| ROW units need to be entered last | | | | | | | | | | | | | |
| 1 | 2 | 23 | 23 | | 430 | 132 | 500 | 15 | 309 | 239 | 548 | | |
| 2 | 2 | 15 | 15 | | 420 | 132 | 500 | 15 | 201 | 156 | 357 | | |
| 2a | 2 | 24 | 24 | | 420 | 132 | 500 | 15 | 322 | 249 | 571 | | |
| 2b | 2 | 11 | 11 | | 430 | 132 | 500 | 15 | 175 | 143 | 318 | | |
| 2c | 2 | 7 | 7 | | 430 | 132 | 500 | 15 | 94 | 73 | 167 | | |
| 4 | 2 | 5 | 5 | | 420 | 132 | 500 | 15 | 79 | 65 | 144 | | |
| 5 | 1 | 5 | 5 | | 420 | 115 | 500 | 15 | 79 | 65 | 144 | | |
| 5a | 1 | 7 | 7 | | 430 | 115 | 500 | 15 | 111 | 91 | 202 | | |
| 6 | 1 | 5 | 5 | | 420 | 132 | 500 | 15 | 79 | 65 | 144 | | |
| 7 | 1 | 15 | 15 | | 430 | 115 | 500 | 15 | 238 | 195 | 433 | | |
| 8 | 2 | 18 | 18 | | 492 | 132 | 500 | 15 | 242 | 187 | 429 | | |
| 9 | 2 | 16 | 16 | | 492 | 132 | 500 | 15 | 254 | 208 | 462 | | |
| 10 | 2 | 21 | 21 | | 492 | 132 | 500 | 15 | 333 | 273 | 606 | | |
| 11 | 2 | 5 | 5 | | 420 | 220 | 500 | 7 | 67 | 52 | 119 | | |
| 13 | 2 | 3 | 3 | | 492 | 123 | 500 | 7 | 40 | 31 | 71 | | |
| 13a | 2 | 9 | 9 | | 492 | 123 | 500 | 7 | 121 | 94 | 215 | | |
| 13b | 2 | 8 | 8 | | 492 | 123 | 500 | 7 | 107 | 83 | 190 | | |
| 14 | 2 | 4 | 4 | | 430 | 220 | 500 | 7 | 54 | 42 | 96 | | |
| 14a | 2 | 10 | 10 | | 430 | 220 | 500 | 7 | 134 | 104 | 238 | | |
| 14b | 2 | 11 | 11 | | 430 | 220 | 500 | 7 | 148 | 114 | 262 | | |
| 15 | 2 | 23 | 23 | | 420 | 132 | 500 | 7 | 365 | 298 | 663 | | |
| 16 | 2 | 33 | 33 | | 492 | 152 | 0 | 18 | 386 | 227 | | | |
| 18 | 2 | 4 | 4 | | 492 | 132 | 500 | 7 | 63 | 52 | 115 | | |
| 19 | 2 | 12 | 12 | | 420 | 115 | 500 | 7 | 190 | 156 | 346 | | |
| 20 | 2 | 28 | 28 | | 420 | 115 | 500 | 15 | 444 | 363 | 807 | | |
| 21 | 2 | 18 | 18 | | 492 | 115 | 500 | 15 | 286 | 234 | 520 | | |
| 22 | 2 | 37 | 37 | | 420 | 152 | 0 | 18 | 433 | 254 | | | |
| 25 | 2 | 9 | 9 | | 492 | 132 | 500 | 15 | 143 | 117 | 260 | | |
| 26 | 2 | 15 | 15 | | 420 | 115 | 500 | 15 | 238 | 195 | 433 | | |
| 27 | 2 | 17 | 17 | | 420 | 132 | 500 | 15 | 270 | 221 | 491 | | |
| Totals Sheet 1 | | 418 | 418 | 0 | | | | | | 6005 | 4646 | 9351 | 0 |

Total Sale Area: **600** Sale Area Acres
 Total Cutting Area: **418** Acres
 (Sheet 1)

Total Sawtimber (Sheet 1) **6005** CCF
 Total Saw + Non-Saw (Sheet 1) **10651** CCF

**VOLUME - DIRECT ENTRY
(TIM GATE 3 - PREP 103)**

| | | | |
|---------------------|--------------|-------|-----|
| Total Sawtimber | (Sheets 1&2) | 8538 | CCF |
| Total Saw + Non-Saw | (Sheets 1&2) | 14649 | CCF |

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

| Species | Defect % | Net Volume | Total Additional | Total Net | Tons Per CCF | Total Tons | |
|---------|----------|------------|------------------|-----------|--------------|------------|---|
| AF | 6 | 121 | 0 | 121 | 2.8700 | 347 | |
| C | 0 | 0 | 0 | 0 | 2.8700 | 0 | |
| DF | 10 | 396 | 0 | 396 | 2.8700 | 1137 | |
| GF | 0 | 0 | 0 | 0 | 2.8700 | 0 | |
| H | 0 | 0 | 0 | 0 | 2.8700 | 0 | |
| L | 8 | 394 | 0 | 394 | 2.8700 | 1131 | |
| LP | 9 | 7488 | 0 | 7488 | 2.8700 | 21491 | |
| PP | 0 | 0 | 0 | 0 | 2.8700 | 0 | |
| S | 7 | 139 | 0 | 139 | 2.8700 | 399 | |
| WP | 0 | 0 | 0 | 0 | 2.8700 | 0 | |
| TOTAL = | 9 | 8538 | 0 | 8538 | | 24505 | = |

Net MBF/CCF Ratio For
Sawtimber From NCS
Report CS10.4853

TIMConversionMBF0.1691Prep 105FactorsCCF0.3484

NON-SAWTIMBER - CCF

| Species | Net Volume | Additional Non-Saw | Total Net | Tons Per CCF | Total Tons | |
|---------|------------|--------------------|-----------|--------------|------------|---|
| AF | 136 | | 136 | 2.8700 | 390 | |
| C | 0 | | 0 | 2.8700 | 0 | |
| DF | 171 | | 171 | 2.8700 | 491 | |
| GF | 0 | | 0 | 2.8700 | 0 | |
| H | 0 | | 0 | 2.8700 | 0 | |
| L | 409 | | 409 | 2.8700 | 1174 | |
| LP | 5307 | | 5307 | 2.8700 | 15231 | |
| PP | 0 | | 0 | 2.8700 | 0 | |
| S | 88 | | 88 | 2.8700 | 253 | |
| WP | 0 | | 0 | 2.8700 | 0 | |
| TOTAL = | 6111 | 0 | 6111 | | 17539 | = |

Net MBF/CCF Ratio For
Non-Sawtimber From NCS
Report CS10.5282

TIMConversionMBF0.1840Prep 105FactorsCCF0.3484

| | | | |
|----------|--------|----------|-----------|
| TOTALS = | Gross0 | Net14649 | Tons42044 |
|----------|--------|----------|-----------|

APPRAISAL SUMMARY

| | | |
|------------------------|-------|---|
| CONTRACT VOLUME (CCF) | 14649 | |
| APPRAISAL VOLUME (CCF) | 8538 | |
| CONTRACT VOLUME (TONS) | 42044 | (Note: Total Tons to be used for Rd. Maintenance Appr.) |
| WTD TONS/CCF | 2.87 | |

ASSIGN CONTRACT SPECIES

TIM Gate 3 - Prep 105

Contract Species Association

Contract species need to be grouped to reflect differences in utilization and/or how species shall be grouped in A(T) 2 of the Timber Sale Contract.

All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species

UTILIZATION STANDARDS

TIM Gate 4 - Contract Prep Information ADV114

Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.

From the list below select the description of non-sawtimber products that reflects how the products were cruised and input in NCS.

The description below is to be included in A(T)2 of timber sale. (Refer to non-sawtimber appraisal guide for more details & instructions).

| Contract Species | Full Name for Contract | Conversion Factors (only applicable to weight scale sales) | | Minimum Specifications | | | | | |
|-------------------------------------|------------------------|---|--------|------------------------|------------------|--------|------|---------------|-------|
| | | (Enter from Species Volume Summary) | | DBH | Number of Pieces | Length | DIB | Merch. Factor | |
| (Major Species Group) | | MBF | CCF | | | | | | |
| <input checked="" type="checkbox"/> | LP | Live and Dead | 0.1691 | 0.3484 | 6 | 1 | 8.0 | 5.6 | 10.67 |
| <input checked="" type="checkbox"/> | DF & O | Live and Dead | 0.1418 | 0.2979 | 7 | 1 | 8.0 | 5.6 | 10.67 |
| <input checked="" type="checkbox"/> | CS | Live and Dead | 0.184 | 0.3484 | 4 | 1 | 16.0 | 2.5 | 50 |
| <input type="checkbox"/> | C14 | Cedar Products - Net Merch. Factor - Refer to C(T)6.804# | | | | | | | |

Select Non-Sawtimber Products description from the following:

Check a box

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): Primary product includes all trees 4.0-5.9, DF&O 4.0-6.9 DBH less than minimum Sawtimber specifications shown in A(T)2; secondary product include tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2; and all trees not meeting minimum Sawtimber specifications but containing at least 50% pulpable woodfiber in terms of gross cubic volume. (C(T)6.801) |
| <input type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): secondary product which are the tops of Sawtimber trees less than diameter inside bark small end shown in A(T)2; and any portion of a Sawtimber tree not meeting minimum Sawtimber specifications shown in A(T)2 but containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801). |
| <input type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): secondary product which is the top portion of Sawtimber trees less than diameter inside bark small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801). |
| <input type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): Primary product includes all trees X.X" to 6.9" DBH less than minimum Sawtimber specifications shown in A(T)2 and secondary product which are tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801). |
| <input type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): Primary product includes all trees X.X" to 6.9" DBH less than minimum Sawtimber specifications shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801). |

EXTERNAL YARDING DISTANCE

| Unit # | Volume CCF | EYD Feet | | % Slope |
|--------|---------------|-------------|----------------------|---------|
| 1 | 309 | 395 | To Calculate % Slope | 30% |
| 2 | 201 | 740 | | 30% |
| 2a | 322 | 590 | Top Elevation | 30% |
| 2b | 175 | 305 | 1500 | 40% |
| 2c | 94 | 330 | | 40% |
| 4 | 79 | 360 | Bottom Elevation | 10% |
| 5 | 79 | 355 | 1200 | 20% |
| 5a | 111 | 420 | | 40% |
| 6 | 79 | 580 | EYD Distance (ft) | 20% |
| 7 | 238 | 650 | 500 | 45% |
| 8 | 242 | 675 | | 30% |
| 9 | 254 | 383 | % Slope = | 10% |
| 10 | 333 | 520 | 60% | 15% |
| 11 | 67 | 200 | | 30% |
| 13 | 40 | 640 | | 25% |
| 13a | 121 | 470 | | 25% |
| 13b | 107 | 390 | | 25% |
| 14 | 54 | 420 | | 45% |
| 14a | 134 | 520 | | 45% |
| 14b | 148 | 785 | | 45% |
| 15 | 365 | 805 | | 25% |
| 16 | 386 | 1225 | | 5% |
| 18 | 63 | 380 | | 15% |
| 19 | 190 | 755 | | 5% |
| 20 | 444 | 1615 | | 25% |
| 21 | 286 | 835 | | 20% |
| 22 | 433 | 945 | | 5% |
| 25 | 143 | 425 | | 35% |
| 26 | 238 | 775 | | 20% |
| 27 | 270 | 1120 | | 10% |

Tractor

| | | |
|-----|------|---------|
| 420 | 4938 | VOL |
| | 1011 | AVE EYD |

Skyline

| | | |
|-----|------|---------|
| 430 | 1263 | VOL |
| | 529 | AVE EYD |

Forwarder

| | | |
|-----|------|---------|
| 492 | 2337 | VOL |
| | 714 | AVE EYD |

Helicopter

| | | |
|-----|---|---------|
| 480 | 0 | VOL |
| | 0 | AVE EYD |

EXTERNAL YARDING DISTANCE

[illegible]

Ground Lead

| | | |
|-----|---|---------|
| 450 | 0 | VOL |
| | 0 | AVE EYD |

1000

HAUL

Appraisal Point:
Total Sawtimber Tributary Volume:

| | | |
|----------------|-------|--|
| Columbia Falls | 8,538 | |
|----------------|-------|--|

| | |
|-------|---------|
| State | Montana |
|-------|---------|

(The appraisal point is most advantageous when total transportation cost, including road work, are less than other appraisal points. Appraise to a mill where timber product can be processed. SBA Set Aside Sales are appraised the same way; not to the nearest SBA mill)

(Haul Appraisal for Sawtimber only. Non-Sawtimber included in Non-Sawtimber Adjustments)

WTD HAUL MILES

WTD Haul Note

[illegible]

WTD Total Paved Miles

(Sheet 1)

16.4

WTD Total Unpaved Miles

(Sheet 1)

47.9

WDT Total Miles

(Sheet 1)

64.3

NON-SAWTIMBER ADJUSTMENTS

DATA INPUT

| | | |
|--|---------|-----------------|
| Delivered Log Price (\$/Ton, Nonsawtimber material) | \$23.00 | |
| Total Nonsawtimber Volume (CCF) (Primary + Secondary) | 6,111 | |
| Total Nonsawtimber Volume (Tons) (Primary + Secondary) | 17,539 | |
| Tons / CCF for nonsawtimber material | 3.00 | 2.87 Adjustment |
| Total Appraised Sawlog Volume (CCF) | 8,538 | |
| Total One Way Weighted Haul Miles | 64.270 | Adjustment |

| Logging System | All Ground Based | All Cable | Range of Data Input |
|--|------------------|-----------|---------------------|
| Nonsawtimber Primary Product (CCF) | 3,280 | 706 | |
| Net MBF / Acre Harvested for nonsawtimber primary product | 3.528 | 4.0 | |
| Average DBH Harvested for nonsawtimber primary product | 7.0 | 6.6 | |
| Average Yarding Distance (Feet) | 1,368 | 600 | |
| Nonsawtimber Primary Product (Tons) | 9,840 | 2,118 | |

| Nonsawtimber Adjustment | |
|---|----------|
| Final Nonsawtimber Value (\$/CCF) A positive number is a negative value. | -\$17.37 |
| Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF) | \$17.37 |

RIGHTS - OF - WAY

(Include Cost share Agreements)

| Road Name | Road # | Length | Type of Agreement | Agreement with (Names) |
|-----------|--------|--------|-------------------|------------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

☐ Check Box to use Small Sale RM Rates.

☐ Check Box to use Small Sale RM Rates plus Kooacanusa Bridge

(Small Sale Rates for Sales under 60 CCF)

Contract Rates

Total Performance Recurrent Maintenance (Part A)

C(T)5.31 - Recurrent Maintenance

C(T)5.312 - Reconditioning

Total Performance (Part A)

| \$/CCF | \$/TON |
|--------|--------|
|--------|--------|

| | |
|--------|--------|
| \$3.53 | \$1.23 |
|--------|--------|

| | |
|--------|--------|
| \$0.00 | \$0.00 |
|--------|--------|

| | | |
|--------|--------|-------|
| \$3.53 | \$1.23 | (A) |
|--------|--------|-------|

Total Required Deposits (Recurrent and Deferred) (Part B)

(Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADV105)

C(T)5.32# - Total Required Deposits (Part B)

C(T)5.314 - Total Dust Abatement (Part C)

| | | |
|--------|--------|-------|
| \$4.80 | \$1.67 | (B) |
|--------|--------|-------|

| | | |
|--|--|-------|
| | | (C) |
|--|--|-------|

TOTAL MAINTENANCE COST (Parts A-B-C)

| | |
|--------|--------|
| \$8.33 | \$2.90 |
|--------|--------|

Appraisal Rates

(Entries for 2400 - 17)

Total Required Deposits

Total Road Maintenance Costs (Performance + Deposits)

\$ 4.80 CCF

\$ 8.33 CCF

Refer to Road Maintenance Appraisal for Road Reconditioning cost per road segment.
(Attach worksheets with road costs)

LOGGING METHOD SUMMARY

| | Tractor | Ground Lead | Skyline | Aerial Heli | Forwarder | TOTAL |
|--------|---------|----------------|---------|----------------|-----------|-------|
| Acres | 340 | 0 | 88 | 0 | 164 | 592 |
| Volume | 4938 | 0 | 1263 | 0 | 2337 | 8538 |
| EYD | 1011 | 0 | 529 | 0 | 714 | |

IDENTIFY FACILITIES (ADVR102)

Attach completed "IDENTIFY FACILITIES FORM"

J:\sfiles\office\resources\Timber\Appraisal_Contract\Appraisal

☒ Check Box if accomplishing road construction or re-construction work under timber sale.

Appraisal information required for the 2400-17 report is to be summarized from the Identify Facilities

SPECIFIED ROAD COST

| | <u>Miles</u> | <u>Total Cost</u> |
|----------------|--------------|------------------------------|
| Construction | | |
| Reconstruction | 9.3 | \$50,212 |
| Total Cost | \$50,212 | / 8538 CCF = \$5.88 \$ / CCF |

BASE RATE ADJUSTMENT FOR REGENERATION COST

Total Required Regeneration Costs - Line 21 Remarks

\$30,290.00

(Subtotal for Required Reforestation with National Program Support Cost Included)

Note: Base Rates may be raised for regeneration on only the Live Sawtimber component.

In previously partial cut stands that are to be regenerated, protected regeneration cost shall be proportionate to remaining volume in the sale.

Sale Volume (ALL Vol./Products) _____ CCF X \$0.25 (NFF)

14,649

\$0.25

\$3,662.25

Select Either (a) or (b)

(A) Green Sale - Required Regeneration Cost \$ _ X _ Sawtimber =

\$30,290.00

100%

\$30,290.00

(d)

% Sawtimber

58%

(B) Salvage Sales enter % Live Sawtimber Volume; Previously Cut

=

Stands enter % Volume remaining.

Total:

\$33,952.25

(a)

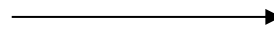
| Species Groups | Volume (CCF) | Minimum Rates <u>1/</u> | | Base Rates <u>2/</u> | |
|------------------------------|--------------|-------------------------------|--------------------|----------------------|--------------------|
| | | Per CCF | Total | Per CCF | Total |
| WP, PP, C | 0 | \$5.00 | \$0.00 | 0 | \$0.00 |
| All other species (list) | 8538 | \$3.00 | \$25,614.00 | \$3.26 | \$27,841.25 |
| Nonsawtimber (all species) | 6111 | \$1.00 | \$6,111.00 | \$1.00 | \$6,111.00 |
| TOTALS | 14649 | XXXXX | \$31,725.00 | XXXXX | \$33,952.25 |
| | | | (b) | | |
| Sawtimber (Appraisal) Volume | 8538 | | | | |
| | | Weighted Average Minimum Rate | | \$3.00 | |

(a) - (b) = (c) amount need in addition to base rates (plus \$.25/CCF)

\$2,227.25

(c)

Note: If minimum rate total (b) => (a) no adjustment needed



Adjust Base Rate

Adjustment To Minimum Rate:

\$ _____ (c) / (Total Sawtimber Volume) CCF = \$ ____/CCF

\$2,227.25

8,538

\$0.26

1/ Minimum rates: FSH 2409.22, Chp 80, Sect. 81

(Base rates for Sawtimber can be weighted if appraising and advertising as a single species group (DF,O))

2/ Minimum rate + adjustment = Base Rate

FACTS INFORMATION

(Enter Sale Information - SAIP100)

Amount of Stumpage Available for Protected KV at Base Rates =

\$30,290.00

(The only stumpage available for KV at advertised rates is when KV is protected by base rates)

BRUSH DISPOSAL

From FACTS - Detailed Listing of BD and Purchaser Slash Treatment Activities

Appraisal Rates for 2400-17 (Applied to Sawtimber only)

Forest Service Rate (Fund Code BDBD) \$20,140.00 Total \$ (a) \$2.36 CCF

Purchaser Rate (Fund Code PPPP) \$48,500.00 Total\$ (b) \$5.68 CCF

TOTAL: (a) + (b) = \$8.04 CCF

Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD) \$1.37 CCF

(Rate Per CCF Converted to Tons for Weight Scale Contracts) \$0.48 TON

Lump Sum BD Deposits for Weight Scaled Sales

| Cutting Unit Number | Required Deposits |
|---------------------|-------------------|
| 1 | \$753.40 |
| 2 | \$490.82 |
| 2a | \$785.03 |
| 2b | \$437.20 |
| 2c | \$229.60 |
| 4 | \$197.98 |
| 5 | \$197.98 |
| 5a | \$277.72 |
| 6 | \$197.98 |
| 7 | \$595.30 |
| 8 | \$589.81 |
| 9 | \$635.18 |
| 10 | \$833.15 |
| 11 | \$163.61 |
| 13 | \$97.61 |
| 13a | \$295.59 |
| 13b | \$261.22 |
| 14 | \$131.98 |
| 14a | \$327.21 |
| 14b | \$360.21 |
| 15 | \$911.52 |
| 16 | \$842.78 |
| 18 | \$158.11 |
| 19 | \$475.69 |
| 20 | \$1,109.49 |
| 21 | \$714.92 |
| 22 | \$944.51 |
| 25 | \$357.46 |
| 26 | \$595.30 |
| 27 | \$675.05 |

Total Cost \$14,643.41

(Sheet 1)

BRUSH DISPOSAL

Lump Sum BD Deposits for Weight Scaled Sales

[illegible]

Total Cost

\$20,140.00

(Sheets 1&2)

EROSION CONTROL

The following seed and fertilizer mix is the standard mix to be used on the Kootenai.
This mix is to be included in C(T)6.601# - Erosion Control Seeding and Special Project
Specifications (SPS) 625.05 in the road package.

Make sure that the seed mix and fertilizer are the same in both contract and road package.

Site specific areas, such as gravel pits and very dry sites may call for more and/or different species in the mix. Document below the rationale for deviation from the standard seed mix.

| Species of Seed | Pounds per Acre |
|-----------------|-----------------|
|-----------------|-----------------|

| | |
|-------------------------|----|
| Blue wildrye (native) | 12 |
| Mountain Brome (native) | 5 |
| Bluebunch Wheatgrass | 4 |
| Slender Wheatgrass | 4 |
| | |

| | |
|--------------|-----------|
| TOTAL | 25 |
|--------------|-----------|

| Type of Fertilizer | Pounds per Acre |
|--------------------|-----------------|
|--------------------|-----------------|

| | |
|-------------------------------------|---|
| 25-10-10 or 27-12-12 or 34-16-10 | 0 |
|-------------------------------------|---|

| | |
|--------------|----------|
| TOTAL | 0 |
|--------------|----------|

Crossdrains

Installation of crossdrains on temporary roads, skid trails and firelines are included in their respective cost allowance.

Scarification

acres @ per acre =

Seed and Fertilizer

If Temp Road seeding is not included in Temp Road worksheet then enter here

Temporary Roads feet = acres
Firelines feet = acres

Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer. acres X % = acres

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer. acres X % = acres

Landings

Number of landings X acres per landing = acres

TOTAL acres

| | Tractor | Ground Lead | Skyline | Aerial Heli | Forwarder |
|-------|---------|-------------|---------|-------------|-----------|
| Acres | 340 | 0 | 88 | 0 | 164 |

Seed mix, fert., labor costs:

| | <u>Lbs / Acre</u> | | <u>\$ / Lb</u> | | <u>\$ per Acre</u> |
|-------------------------|-------------------|---|----------------|-------------|--------------------|
| Blue wildrye (native) | 12 | X | \$12.00 | = | \$144.00 |
| Mountain Brome (native) | 5 | X | \$12.00 | = | \$60.00 |
| Bluebunch Wheatgrass | 4 | X | \$12.00 | = | \$48.00 |
| Slender Wheatgrass | 4 | X | \$12.00 | = | \$48.00 |
| Fertilizer | 0 | X | \$0.00 | = | \$0.00 |
| *Labor per Acre | | | | = | \$80.00 |
| | | | | \$ per acre | \$380.00 |

Total cost for

| | | | | | | | |
|---------------|------|-------|---|----------|---------|---|------------|
| SEEDING | 19.6 | acres | X | \$300.00 | \$/acre | = | \$5,880.00 |
| FERTILIZER | 19.6 | acres | X | \$0.00 | \$/acre | = | \$0.00 |
| LABOR | 19.6 | acres | X | \$80.00 | \$/acre | = | \$1,568.00 |
| SCARIFICATION | | | | | | | \$0.00 |
| TOTAL | | | | | | | \$7,448.00 |

| | | | | | |
|------------|--------|------|-------|--------|---------|
| \$7,448.00 | COST / | 8538 | CCF = | \$0.87 | PER CCF |
|------------|--------|------|-------|--------|---------|

* Engineers estimate Page 114 of the Cost Guide Item Labor Rates.

Document Rational for Changes to Standard Seed Mix.

(A)

[illegible]

| | | | | | | | |
|--------|------|---|------|-----|---|--------|-----|
| \$0.00 | Cost | / | 8538 | CCF | = | \$0.00 | CCF |
|--------|------|---|------|-----|---|--------|-----|

| | | | |
|--|----------|---------------|------------|
| Subtotal Other Contractual Requirements (A) | = | \$0.00 | CCF |
|--|----------|---------------|------------|

OTHER CONTRACTUAL REQUIREMENTS (B)

The cost allowance for herbicide application has been based on the following assumptions; 300 gallon sprayer with herbicide injectors (not tank mixed); 20 gallon of carrier/ac; one trip will be required for each herbicide per road; labor rate and production includes mix, loading, cleanup and daily documentation; misc. expenses include equipment maintenance and depreciation, herbicide storage and handling and licensing fees. One mile of road with an average ROW of 30 feet is equal to 3.6 acres. Herbicides approved for use are listed in C(T)6.27# under Technical Spraying Specifications.

| <u>Herbicide</u> (Common name) | <u>Application Rate oz</u> per acre | <u>Cost</u> Per oz | <u>Cost per</u> <u>UOM</u> |
|-----------------------------------|--|-----------------------|-------------------------------|
| 2,4-D amine | 32 | \$0.15 | \$17.28 mile |
| Clopyralid | 11 | \$2.50 | \$99.00 mile |
| Picloram | 32 | \$0.73 | \$84.10 mile |
| Aminopyralid | 6 | \$2.90 | \$62.64 mile |

Price quote for herbicide obtained from: Cenex Harvest States

| | |
|--|-------------------------------|
| <u>Sufactant & Dye</u> .32 oz/gal H2O | \$0.68/acre = \$2.45/ mile |
| <u>Labor Rate</u> | \$40/ hour (2 Miles per hour) |

Miles of road to be sprayed: 0 miles

| <u>Herbicide to be applied:</u> | <u>Miles</u> | <u>\$ UOM</u> | <u>Tot Cost</u> |
|---------------------------------|--------------|---------------|-----------------|
| 2,4-D amine | | \$17.28 | \$0.00 |
| Clopyralid | | \$99.00 | \$0.00 |
| Picloram | | \$84.10 | \$0.00 |
| Aminopyralid | | \$62.64 | \$0.00 |

| | | | |
|---------------------------|----------|---------|--------|
| Sufactant & dye: | <u>0</u> | \$2.45 | \$0.00 |
| Application Cost (Labor): | <u>0</u> | \$20.00 | \$0.00 |
| Misc. Expenses: | <u>0</u> | \$32.00 | \$0.00 |

TOTAL WEED TREATMENT: \$0.00 cost / 8538 CCF = \$0.00 CCF

ON-SITE EQUIPMENT WASHING C(T)6.351#

Cost allowance for washing off-road equipment Prior To Leaving locations identified in EIS/EA

| | | | |
|------------------------------|---------------|-------------------|-------------|
| Number (pieces of equipment) | <u></u> | Number of seasons | <u></u> |
| Cleaning costs per piece | <u>\$0.00</u> | CCF | <u>8538</u> |

Total cost for washing equipment per CCF \$0.00 CCF

Subtotal Other Contractual Requirements (B) \$0.00 CCF

MISCELLANEOUS CONTRACTUAL REQUIREMENTS (C)

(Contractual Obligations That Would Not Require Coverage Under The Performance Bond)

Stump Shoveling (Not required under normal operating/winter conditions. Include if clippers not allowed)

stumps X \$0.00 per stump = \$0.00

\$0.00 Cost / 8538 CCF = \$0.00 CCF

Snow Plowing

miles X per mile X # plowings = \$0.00

\$0.00 Cost / 8538 CCF = \$0.00 CCF

Miscellaneous: (Helicopter Landing Construction, Traffic Control etc...)

| ITEM | # | X | COST | = | TOT COST |
|------|---|---|----------------|---|----------|
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |

\$0.00 Cost / 8538 CCF = \$0.00 CCF

Subtotal Miscellaneous Contractual Requirements (C) \$0.00 CCF

| | |
|--|--|
| Total Other Contractual Requirements (A+B+C) | <input type="text"/> \$0.00 CCF |
| Brush Disposal (Purchaser and FS) | <input type="text"/> \$8.04 CCF |
| Total Environmental Protection Cost | <input type="text"/> \$8.04 CCF |

TEMPORARY ROADS

3.93 Miles

Temporary Road #1

New Temp Const Units 7,8,9,10,13,14

Cost \$

\$19,142.00

Temporary Road #2

Reconstruct Existing Units 21, 25

Cost \$

\$6,724.00

Temporary Road #3

Recondition Existing Units 10, 21, 54/55

Cost \$

\$5,625.00

Temporary Road #4

Recondition Existing Units 13/14 C5.102#

Cost \$

\$7,975.00

Temporary Road #5

0

Cost \$

\$0.00

TOTAL TEMPORARY ROAD COST =
(Total Temporary Development Costs)

\$39,466.00

\$39,466.00

8538

CCF

=

\$4.62

CCF

Cost Guide for Temporary Roads

http://www.fs.fed.us/r1/projects/costguide_index.shtml

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF

\$1.93

UNUSUAL CONDITION ADJUSTMENTS

\$0.00

Cost \$ / **8538** CCF

=

\$0.00

CCF

Adjustment for Difference Between Using an Average of
3.2 Tons/CCF and the Actual Tons/CCF of

2.87

=

\$0.00

CCF >>>

☐ Check Box To Use

Total Unusual Condition Adjustment

=

\$0.00

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season (ADVR114, Page 1)

| | | | Units | |
|----------------|-------|----|--------|--------|
| First Period : | 1-Jul | to | 30-Sep | ALL |
| Second Period: | 1-Jun | to | 30-Jun | 16, 22 |

(Note: If sale has more than one NOS - List dates and units for each NOS in A16 or AT13 of Timber Sale Contract)

Periodic Payment Schedule

Approximate Award Date: 05/14/13 mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: 09/30/14 mm/dd/yy
(N/A if no roads)

Contract Termination Date: 10/15/16 mm/dd/yy

TIM - Input at Gate 4 - Prospectus, Bid and Misc. Information - Page 1 (ADVR115)

Approximate Payment Date: 06/16/16

Include the following statement in the Prospectus for sales without a road completion date.

As per B(T) 4.213, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 80 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / week.

(1/Current AD-C Firefighter wage (\$17.40 (4/2/12) – FSH 5109.34 Chp 10 – WO Interim Directive Eff.

Date 3/16/07 – Update Yearly)

| | | | |
|-----|--------------------------|--------------------------|--|
| (A) | Sawtimber Volume = | 8538 | CCF |
| (B) | Sale Duration = | 3.4 | YEARS (Calculated from Award Date to Termination Date) |
| (C) | Operating Days in Sale = | 272 | (Sale Duration X 80 days.) |
| (D) | CCF Per Day = | 31.4 | (Sawtimber Volume / Operating Days in Sale) |
| (E) | Men Needed to Log Sale = | 6.3 | (CCF Per Day / 5 CCF) |
| (F) | Liability = | \$17.40 (Wage Rate AD-C) | X 12 (hrs/shift) X 5 (# shifts) X |

6.3 (# men) = TOTAL LIABILITY = \$6,577

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00

ROUNDED TOTAL = \$6,600

BID GUARANTEE:

Advertised Value \$74,757 X 10% = \$7,476

Rounded up to nearest \$100.00 = \$7,500

When sale is entered through TIM, Bid Guarantee is calculated and auto-filled during completion of Gate 4 –Prospectus, Bid and Misc. Information – Page 1- (ADVR115)

MINIMUM PERFORMANCE BOND:

TIM Gate 4 - Prospectus, Bid and Misc. Information - Page 3 - (ADVR115)

The greater of (A) or (B) rounded **UP** to nearest \$100.00 if sale is under \$10,000.00 stumpage value and up to nearest \$1,000.00 if sale is over \$10,000 stumpage value.

(A) Advertised Value \$74,757 X 10% = \$7,476

Rounded 10% Advertised Value = \$8,000 (A)

(B) Purchaser requirements (Performance) - Based on number of seasons.

| | | |
|--------------------|---|-----|
| Road Maintenance = | \$3.53 | CCF |
| Erosion = | \$0.87 | CCF |
| Brush Disposal = | \$5.68 | CCF |
| Other = | \$1.93 | CCF |
| Total = | \$12.01 | CCF |

Total Purchaser Requirements = \$12.01 X Tot Vol 8538 CCF = \$102,552 Tot Value

divided by 4 # Seasons = \$25,638 Performance Bond Value

Rounded Performance Bond Value = \$26,000 (B)

MINIMUM PERFORMANCE BOND \$26,000

Create New Sales

| | |
|-------------|-------------------|
| Forest No | 10 - Flathead |
| District No | 04 - Spotted Bear |
| Sale No | 12401 |
| Sale Name | Tin Mule |

Basic Information

| | |
|------------------------|-----------------|
| Advertised Sale Number | 12401 |
| State | MT - Montana * |
| County Code | 029 - Flathead |
| Compartment No | 54 |
| Legal Description | T26N, R16W, PMM |

| | |
|----------------|-------------|
| Appraisal Date | Mar-13-2013 |
| Contract Date | May-7-2013 |
| Term Date | 10/15/2016 |
| Bid Date | May-7-2013 |

| | |
|---------------|--------------|
| Modified By | P. Donnellon |
| Modified Date | Mar-11-2013 |

| | |
|-----------------|--|
| Size Class | 5 - \$10,000.01 thru \$100,000 * |
| Sale Status | 7030 - Pending 14i SBO * |
| SBA Code | N - No * |
| Appraisal Type | TE - Transaction Evidence * |
| Salvage Code | 2 - Salv Sale or Salv Component in Regular Program * |
| Pricing Method | FLAT - Flat Rate * |
| SAI Collection | \$30,290.00 |
| Contract No | 12401 |
| Contract Form | 6 - Contract Form 2400-6 |
| CO Authority | S - Forest Supervisor * |
| Sale Method | A - Auction * |
| Regulation Code | 6 - 36 CFR 223.1 * |

Area & Volume

| | | | |
|-----------------------|-----|------------------------|------|
| Sale Acres | 600 | Cut Acres | 592 |
| Clearcut Acres | 100 | Clearcut Volume | 1586 |
| Seed Tree Acres | 392 | Seed Tree Volume | 5730 |
| Right Of Way Acres | | Right Of Way Volume | |
| Final Seed Tree Acres | | Final Seed Tree Volume | |
| Shelter Wood Acres | | Shelter Wood Volume | |
| Cedar Poles: Volume | | | |
| Count | | | |
| Length | | | |
| Percent Salvage | 51% | | |

Costs / CCF

| | |
|-------------------|---------|
| Slash FS | \$2.36 |
| Slash Total | \$8.04 |
| Ersion | \$0.87 |
| Snag | |
| Misc | |
| Temp Roads | \$4.62 |
| Other Temp Dev | |
| Unusual Cond Adj | |
| Road Maint Dep | \$4.80 |
| Road Maint Total | \$8.33 |
| Small Product Adj | \$17.37 |

Comments

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

Roads

| | |
|-----------------------|----------------|
| Construction Miles | |
| Reconstruction Miles | 9.3 |
| Appraisal Point | Columbia Falls |
| Total Haul Miles | 64 |
| Temp Road Const Miles | 3.9 |
| Contributed Funds | |
| Timber Property Value | |

Costs
Costs
State
Paved Miles
Costs

| |
|----------|
| |
| \$50,212 |
| Montana |
| 16.4 |
| \$39,466 |

Logging Systems

| | Acres | CCF | Distance(ft) |
|-------------|-------|------|--------------|
| Tractor | 340 | 4938 | 1011 |
| Horse | | | |
| Ground Lead | | | |
| Skyline | 88 | 1263 | 529 |
| Heli | | | |
| Swing | | | |
| Forwarder | 164 | 2337 | 714 |

[illegible][illegible]

Use this sheet to calculate advertised value and to convert \$/CCF to \$/Tons.

Attach this sheet to the 2400-17 for Documentation.

Sawtimber Rate from the 2400-17

| |
|--------|
| \$8.04 |
|--------|

Conversion to Tons

| | <u>Adv. Rate</u> | <u>CCF Vol</u> | <u>Tons</u> | <u>Advertised Rate per Ton</u> |
|--------------------------|------------------|----------------|-------------|--------------------------------|
| Sawtimber | \$8.04 | 8538 | 24505 | \$2.80 |
| Non_Saw | \$1.00 | 6111 | 17539 | \$0.35 |
| Base Rate (Sawtimber) | \$3.26 | 8538 | 24505 | \$1.14 |

Total Advertsed Value

| |
|-------------|
| \$74,756.52 |
|-------------|